Special Issue

Application of Nanomaterials in the Process of Water Electrolysis

Message from the Guest Editor

Due to the depletion of fossil energy and the increasingly serious environmental pollution, electrolytic water technology has attracted more and more attention of scientists. It is very important to expand new electrocatalytic materials and optimize electrocatalytic industrial process. As the key to the performance of electrocatalytic decomposition of water, the regulation of the physical and chemical properties of nano electrocatalytic is very important. Therefore, it is necessary to find more efficient and long-term catalyst systems. At the same time, in order to meet industrial applications, devices for electrocatalytic decomposition of water also need to be studied. This special issue " Application of Nanomaterials in the Process of Water Electrolysis " aims to find high-quality works, focusing on the materials used for electrolytic water and the latest advanced technology. Topics include but are not limited to: Nanocomposites and their application in electrolytic water; Process and transmission characteristics of electrolytic cell; Study on structure-activity relationship of catalyst; Industrial integration, application and modeling in electrolytic process.

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